

What is claimed is:

1. A digital camera comprising:

an optical system,

5 an optoelectric converter,

a recording medium,

a display, and

10 a digital signal processor including the capability of displaying a transceiving state of data files being transmitted to an external device or being received from an external device.

2. The digital camera of claim 1, wherein the digital camera further comprises:

15 a communication interface capable of transmitting data files to an external device and receiving data files from an external device.

3. The digital camera of claim 2, wherein the digital signal processor includes the capability of displaying an initialization state of the communication interface.

20 4. The digital camera of claim 1, wherein the digital signal processor includes the capability of displaying an electrical connection state between the digital camera and an external device.

25 5. The digital camera of claim 1, wherein the digital signal processor further includes the capability of monitoring the transceiving state of data files being transmitted to an external device or being received from an external device.

30 6. The digital camera of claim 1, wherein the external device is a computer.

7. The digital camera of claim 1, wherein the display is an LCD panel.

35 8. The digital camera of claim 1, wherein the recording medium is removable from the camera.

9. The digital camera of claim 1, wherein the recording medium comprises solid state memory.

10. A digital camera comprising:
an optical system,
an optoelectric converter,
5 a recording medium,
a display,
a communication interface capable of transmitting data files to an external device and receiving data files from an external device, and
a digital signal processor including the capability of displaying an
10 initialization state of the communication interface.

15 11. The digital camera of claim 10, wherein the digital signal processor further includes the capability of displaying an electrical connection state between the digital camera and an external device.

15 12. The digital camera of claim 11, wherein the digital signal processor further includes the capability of displaying a transceiving state of data files being transmitted to an external device or being received from an external device.

20 13. The digital camera of claim 10, wherein the communication interface is a USB interface.

25 14. A digital camera comprising:
a means for creating a digital photograph,
a means for storing digital image data,
a means for displaying data, and
a means for displaying a transceiving state of data files being transmitted to an external device or being received from an external device.

30 15. The digital camera of claim 14, further comprising:
a means for transmitting data files to an external device and receiving data files from an external device, and
a means for displaying an initialization state of the means for transmitting data files to an external device and receiving data files from an external device.

35 16. The digital camera of claim 14, further comprising:

5 a means for displaying an electrical connection state between the digital camera and an external device.

17. A method for monitoring the status of a digital camera, the method comprising:
5 displaying an initialization state while initializing a communication interface.

18. The method of claim 17, wherein the step of displaying an initialization state while initializing a communication interface comprises:
10 monitoring a connection between the digital camera and an external device, waiting until the connection is complete before proceeding with initialization and display of the initialization state, initializing the communication interface and displaying a message indicating the initializing of the communication interface, 15 determining whether the initialization is successful, and if the initialization succeeds, displaying a message indicating the success of the initialization.

19. The method of claim 18, wherein the step of displaying an initialization state while initializing a communication interface further comprises:
20 if the initialization fails, displaying a message indicating the failure of the initialization.

20. The method of claim 18, wherein the step of displaying an initialization state while initializing a communication interface further comprises:
25 if the initialization fails, displaying a message offering guidance to remedy the failure.

21. The method of claim 17, further comprising:
30 displaying a transceiving state while transmitting or receiving a data file to or from an external device.

22. The method of claim 21, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:
35 determining whether a data file is being transmitted or received, and displaying a message indicating status of transmission or reception of a data file.

23. The method of claim 22, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

5 determining whether initialization of the communication interface is successful,

if initialization of the communication interface is successful, proceeding with the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device, and

10 if initialization of the communication interface is not successful, terminating the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device.

15 24. The method of claim 22, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

determining the type of interface, and

displaying a message indicating the type of interface.

20 25. The method of claim 17, further comprising:

repeating the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device until an end signal is input.

25 26. The method of claim 17, further comprising:

displaying an unloaded state after the digital camera is unloaded from an external device.

30 27. The method of claim 26, wherein the step of displaying an unloaded state after the digital camera is unloaded from an external device comprises:

determining whether an unloaded signal is input to the digital camera, and

if an unloaded signal is input, displaying a message indicating unloaded state of digital camera.

35 28. The method of claim 27, wherein the step of displaying an unloaded state after the digital camera is unloaded from an external device comprises:

determining if the digital camera is disconnected from the external device,

if the digital camera is not disconnected from the external device, repeating the step of displaying an unloaded state after the digital camera is unloaded from an external device.

5 29. A method for monitoring the status of a digital camera, the method comprising:

displaying a transceiving state while transmitting or receiving a data file to or from an external device.

10 30. The method of claim 29, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

determining whether a data file is being transmitted or received, and
displaying a message indicating status of transmission or reception of a data
15 file.

31. The method of claim 30, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further comprises:

20 determining whether initialization of a communication interface is successful, if initialization of the communication interface is successful, proceeding with the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device, and
if initialization of the communication interface is not successful, terminating
25 the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device.

32. The method of claim 30, wherein the step of displaying a transceiving state while transmitting or receiving a data file to or from an external device further
30 comprises:

determining the type of interface, and
displaying a message indicating the type of interface.